

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/586,380

Source: IFWP

Date Processed by STIC: 7/26/06

# ***ENTERED***



IFWP

## RAW SEQUENCE LISTING

DATE: 07/26/2006

PATENT APPLICATION: US/10/586,380

TIME: 14:06:59

Input Set : A:\SEQ LIST.txt

Output Set: N:\CRF4\07262006\J586380.raw

```

4 <110> APPLICANT: Gough, Gerald Wayne
5      Roberts, Christopher Michael
7 <120> TITLE OF INVENTION: Promoter
10 <130> FILE REFERENCE: VB60671
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/586,380
C--> 13 <141> CURRENT FILING DATE: 2006-07-14
15 <150> PRIOR APPLICATION NUMBER: PCT/EP2005/000443
W--> 16 <151> PRIOR FILING DATE: 13 January 2005
18 <150> PRIOR APPLICATION NUMBER: GB0400965.0
W--> 19 <151> PRIOR FILING DATE: 16 January 2004
21 <160> NUMBER OF SEQ ID NOS: 24
23 <170> SOFTWARE: FastSEQ for Windows Version 4.0
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 421
27 <212> TYPE: DNA
28 <213> ORGANISM: human cytomegalovirus
30 <400> SEQUENCE: 1
31 cccgggtccc ctcattgccct atcgggatat cgccgtgtaa tgggggtggg cgactgacgt 60
32 gactcttgac gtttataaac cgcatgggaa agtacgggtg cgccaccgtt gacgtgggag 120
33 gcgatgagaa cgtcagcggg ggcgaaaccg ccgtgcggaa agtcccgggt cggaaatcac 180
34 cgtgtgaaaa gtcccgggtg tgaaaccgcc gtgtggaaag tcccggtttg gaaatcccag 240
35 tacggaaagt accgtaacgc ctcttttggc acgtagtgtc ctactacgta ggggaaacaa 300
36 cgtcaccaag aaacgctata tattcaaaaa caccgttcag tccacacgct acttctcagc 360
37 gaagcactgc tgcagccaga ccggagcggt gagcggagcc gagcagcgga ccttcggagc 420
38 c                                                    421
40 <210> SEQ ID NO: 2
41 <211> LENGTH: 27
42 <212> TYPE: DNA
43 <213> ORGANISM: human cytomegalovirus
45 <400> SEQUENCE: 2
46 ggggtaccct gcagcccggt tccccta                                27
48 <210> SEQ ID NO: 3
49 <211> LENGTH: 34
50 <212> TYPE: DNA
51 <213> ORGANISM: human cytomegalovirus
53 <400> SEQUENCE: 3
54 cccaagcttg cggccgcggc tccgaagggt cgct                                34
56 <210> SEQ ID NO: 4
57 <211> LENGTH: 11
58 <212> TYPE: DNA
59 <213> ORGANISM: human cytomegalovirus
61 <400> SEQUENCE: 4
62 acgtacttc t                                                    11

```

## RAW SEQUENCE LISTING

DATE: 07/26/2006

PATENT APPLICATION: US/10/586,380

TIME: 14:06:59

Input Set : A:\SEQ LIST.txt

Output Set: N:\CRF4\07262006\J586380.raw

```

64 <210> SEQ ID NO: 5
65 <211> LENGTH: 119
66 <212> TYPE: DNA
67 <213> ORGANISM: human cytomegalovirus
69 <400> SEQUENCE: 5
70 cgtcagatcg cctggagacg ccatccacgc tgttttgacc tccatagaag acaccgggac 60
71 cgatccagcc tccgcggccg ggaacggtgc attggaacgc ggattccccg tgccaagag 119
73 <210> SEQ ID NO: 6
74 <211> LENGTH: 39
75 <212> TYPE: DNA
76 <213> ORGANISM: Artificial Sequence
78 <220> FEATURE:
79 <223> OTHER INFORMATION: primer HCMV
81 <400> SEQUENCE: 6
82 cgtctccagg cgatctgacg agaagtagcg tgtggactg 39
84 <210> SEQ ID NO: 7
85 <211> LENGTH: 39
86 <212> TYPE: DNA
87 <213> ORGANISM: Artificial Sequence
89 <220> FEATURE:
90 <223> OTHER INFORMATION: primer HCMV
92 <400> SEQUENCE: 7
93 cagtccacac gctacttctc gtcagatcgc ctggagacg 39
95 <210> SEQ ID NO: 8
96 <211> LENGTH: 45
97 <212> TYPE: DNA
98 <213> ORGANISM: Artificial Sequence
100 <220> FEATURE:
101 <223> OTHER INFORMATION: primer HCMV
103 <400> SEQUENCE: 8
104 tgacctccat agaagacacc gggaccgatc cagcctccgc ggccc 45
106 <210> SEQ ID NO: 9
107 <211> LENGTH: 50
108 <212> TYPE: DNA
109 <213> ORGANISM: Artificial Sequence
111 <220> FEATURE:
112 <223> OTHER INFORMATION: primer HCMV
114 <400> SEQUENCE: 9
115 gtgcattgga acgcggattc cccgtgccaa gaggcggccg caagcttggg 50
117 <210> SEQ ID NO: 10
118 <211> LENGTH: 45
119 <212> TYPE: DNA
120 <213> ORGANISM: Artificial Sequence
122 <220> FEATURE:
123 <223> OTHER INFORMATION: primer HCMV
125 <400> SEQUENCE: 10
126 gaatccgcgt tccaatgcac cggtcccggc cgcggaggct ggatc 45
128 <210> SEQ ID NO: 11
129 <211> LENGTH: 45

```

## RAW SEQUENCE LISTING

DATE: 07/26/2006

PATENT APPLICATION: US/10/586,380

TIME: 14:06:59

Input Set : A:\SEQ LIST.txt

Output Set: N:\CRF4\07262006\J586380.raw

```

130 <212> TYPE: DNA
131 <213> ORGANISM: Artificial Sequence
133 <220> FEATURE:
134 <223> OTHER INFORMATION: primer HCMV
136 <400> SEQUENCE: 11
137 ggtgtcttct atggagggtca aaacagcgtg gatggcgtct ccagg          45
139 <210> SEQ ID NO: 12
140 <211> LENGTH: 50
141 <212> TYPE: DNA
142 <213> ORGANISM: Human Cytomegalovirus
144 <220> FEATURE:
145 <223> OTHER INFORMATION: luciferase
147 <400> SEQUENCE: 12
148 cccaagcttg cggccgcctc ttggcacggg gaatccgcgt tccaatgcac      50
150 <210> SEQ ID NO: 13
151 <211> LENGTH: 20
152 <212> TYPE: DNA
153 <213> ORGANISM: Artificial Sequence
155 <220> FEATURE:
156 <223> OTHER INFORMATION: luciferase
158 <400> SEQUENCE: 13
159 atgagatgtc aggaacgtct          20
161 <210> SEQ ID NO: 14
162 <211> LENGTH: 20
163 <212> TYPE: DNA
164 <213> ORGANISM: Artificial Sequence
166 <220> FEATURE:
167 <223> OTHER INFORMATION: luciferase
169 <400> SEQUENCE: 14
170 taagggattt tgccgatttc          20
172 <210> SEQ ID NO: 15
173 <211> LENGTH: 21
174 <212> TYPE: DNA
175 <213> ORGANISM: Artificial Sequence
177 <220> FEATURE:
178 <223> OTHER INFORMATION: primer HCMV
180 <400> SEQUENCE: 15
181 ctagcaaaat agggctgtcc c          21
183 <210> SEQ ID NO: 16
184 <211> LENGTH: 421
185 <212> TYPE: DNA
186 <213> ORGANISM: Human Cytomegalovirus
188 <400> SEQUENCE: 16
189 cccgggtccc ctcatgccct atcaggatat cgccgtgtac tgggggtggg cgactgacgt 60
190 gactcttgac gtttataaac cgcattgggaa agtacggtgt cgccaccgtt gacgtgggcg 120
191 gcatgaaaa cgtcagcggg ggcgaaaccg ccgtgcggaa agtcccgggt gcgaaatcac 180
192 cgtgcggaaa gtcccgggtg tgaaaccgcc gtgtggaaaag tcccggtttg gaaatcccag 240
193 tacggaaaag accgtaacgc ctcttttggc acgtagtgtc ctactacgta ggggaaacaa 300
194 cgtcaccaag aaacgctata tatccaaaac caccgtgcag tccacacgct acttctcagc 360

```

## RAW SEQUENCE LISTING

DATE: 07/26/2006

PATENT APPLICATION: US/10/586,380

TIME: 14:06:59

Input Set : A:\SEQ LIST.txt

Output Set: N:\CRF4\07262006\J586380.raw

```

195 gaagcactgc tgcagccaga ccagagcggg gagcggagcc gagcagcgga ccttcggagc 420
196 c 421
198 <210> SEQ ID NO: 17
199 <211> LENGTH: 475
200 <212> TYPE: DNA
201 <213> ORGANISM: Human Cytomegalovirus
203 <400> SEQUENCE: 17
204 cccgggtccc ctcatgccct atcaggatat cgccgtgtac tgggggtggg cgactgacgt 60
205 gactcttgac gtttataaac cgcatgggaa agtacgggtg cgccaccgtt gacgtgggcg 120
206 gcgatgaaaa cgtcagcggg ggcgaaaccg ccgtgcggaa agtcccgggtg gcgaaatcac 180
207 cgtgcggaaa gtcccgggtg tgaaaccgcc gtgtggaaag tcccggtttg gaaatccag 240
208 tacggaaagt accgtaacgc ctcttttggc acgtagtgc ctactacgta ggggaaacaa 300
209 cgtcaccaag aaacgtata tatccaaaac caccgtgcag tccacacgct acttctcgtc 360
210 agatcgctg gagacgccat ccacgctgtt ttgacctcca tagaagacat cgggaccgat 420
211 ccagcctccg cggccgggaa cgggtgcattg gaacgcggat tccccgtgcc aagag 475
213 <210> SEQ ID NO: 18
214 <211> LENGTH: 8
215 <212> TYPE: PRT
216 <213> ORGANISM: Ovalbumin
218 <400> SEQUENCE: 18
219 Ser Ile Ile Asn Phe Glu Lys Leu
220 1 5
223 <210> SEQ ID NO: 19
224 <211> LENGTH: 9
225 <212> TYPE: PRT
226 <213> ORGANISM: Human Immunodeficiency Virus
228 <400> SEQUENCE: 19
229 Ala Met Gln Met Leu Lys Glu Thr Ile
230 1 5
233 <210> SEQ ID NO: 20
234 <211> LENGTH: 9
235 <212> TYPE: PRT
236 <213> ORGANISM: Human Immunodeficiency Virus
238 <400> SEQUENCE: 20
239 Tyr Tyr Asp Pro Ser Lys Asp Leu Ile
240 1 5
243 <210> SEQ ID NO: 21
244 <211> LENGTH: 10
245 <212> TYPE: DNA
246 <213> ORGANISM: Human Cytomegalovirus
248 <400> SEQUENCE: 21
249 tgtcgcgaca 10
251 <210> SEQ ID NO: 22
252 <211> LENGTH: 15
253 <212> TYPE: DNA
254 <213> ORGANISM: Human Cytomegalovirus
256 <400> SEQUENCE: 22
257 cgtgcagtcc acacg 15
259 <210> SEQ ID NO: 23

```

## RAW SEQUENCE LISTING

DATE: 07/26/2006

PATENT APPLICATION: US/10/586,380

TIME: 14:06:59

Input Set : A:\SEQ LIST.txt

Output Set: N:\CRF4\07262006\J586380.raw

260 <211> LENGTH: 7  
261 <212> TYPE: DNA  
262 <213> ORGANISM: Human Cytomegalovirus  
264 <400> SEQUENCE: 23  
265 ctacttc 7  
267 <210> SEQ ID NO: 24  
268 <211> LENGTH: 11  
269 <212> TYPE: DNA  
270 <213> ORGANISM: Human Cytomegalovirus  
272 <400> SEQUENCE: 24  
273 acgtacttc t 11

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/586,380

DATE: 07/26/2006

TIME: 14:07:00

Input Set : A:\SEQ LIST.txt

Output Set: N:\CRF4\07262006\J586380.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:16 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:19 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD